



securityscape

**implications of security design on
public landscapes in washington, dc**

security design
dc public space
bollards, etc.

1 history / symbolism



2 program / access



character / aesthetics **3**
opportunities

securityscape



security design

a history of defensive design

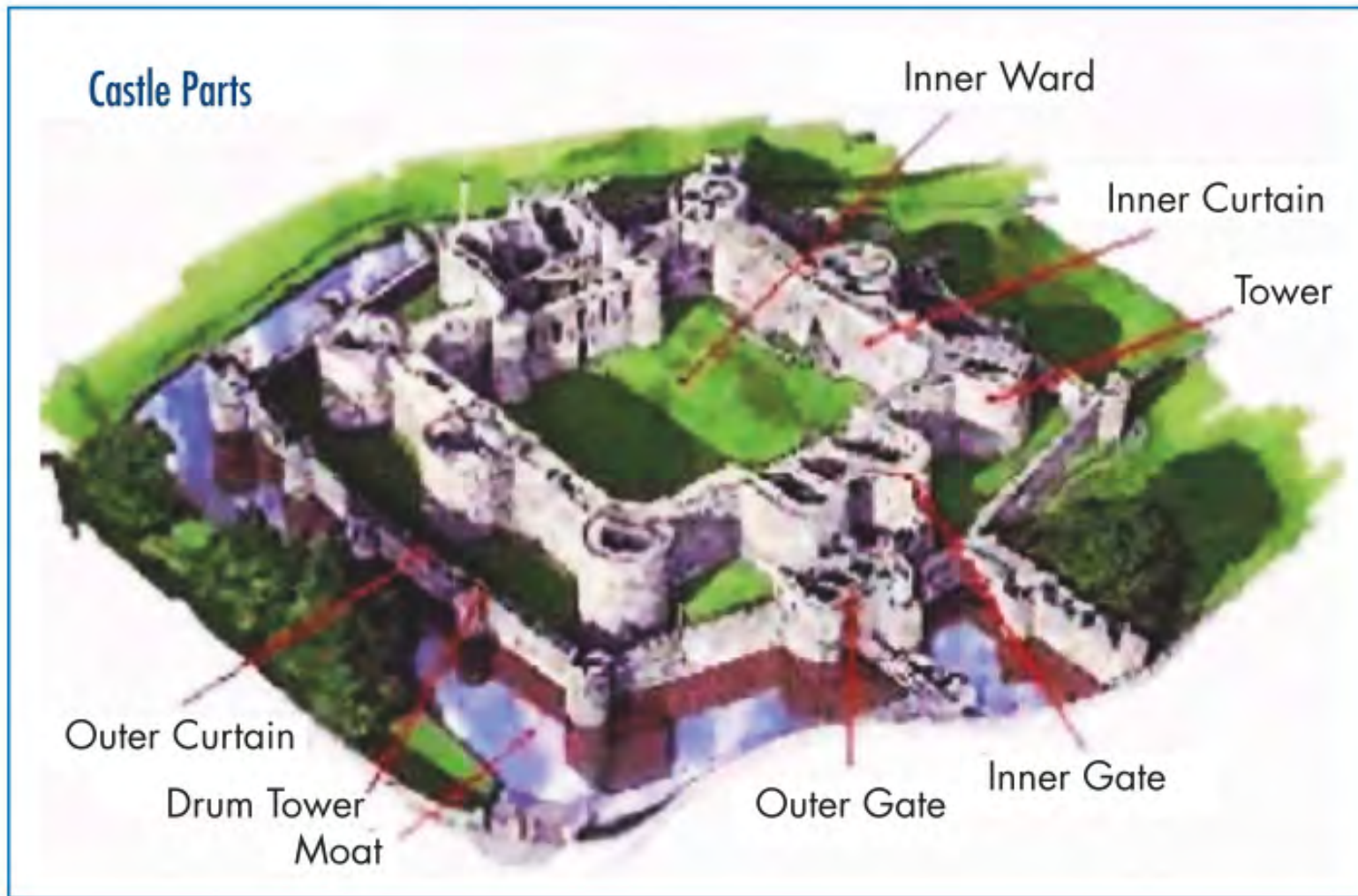


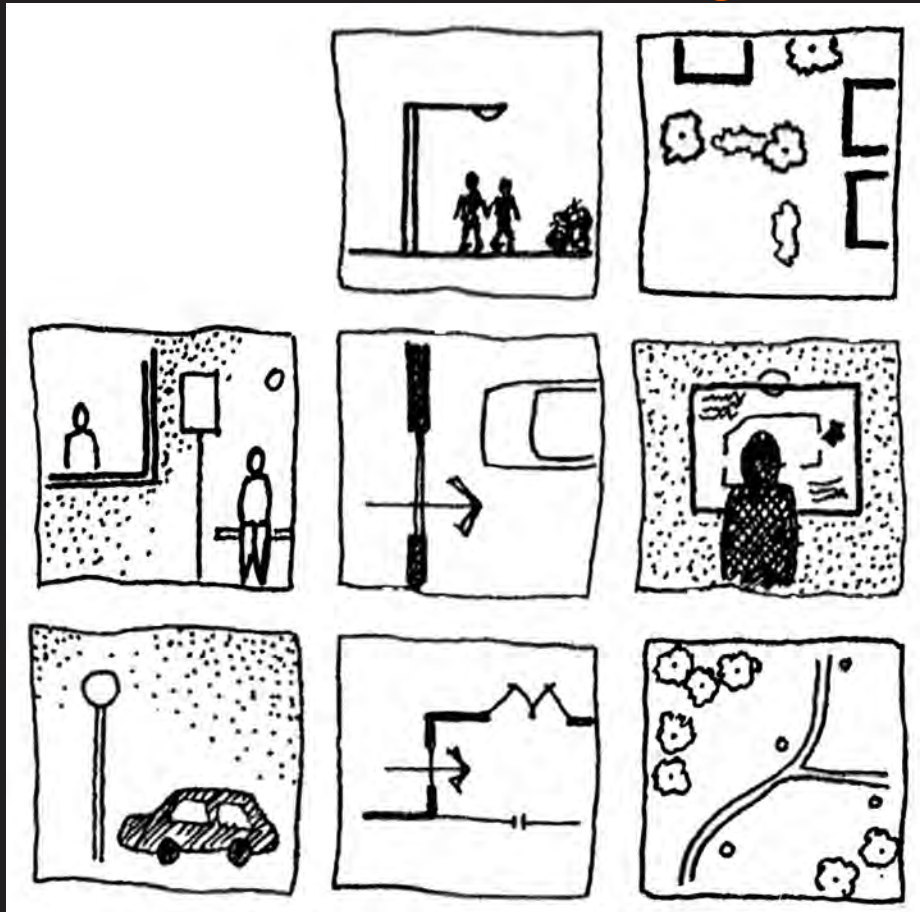
Figure 1-1:
Mediaeval castle
elements.

SOURCE: FEMA E 155

source: fema's "site and urban design for security"

security design

crime prevention through environmental design (CPTED)



access control

natural surveillance

territorial reinforcement

target hardening

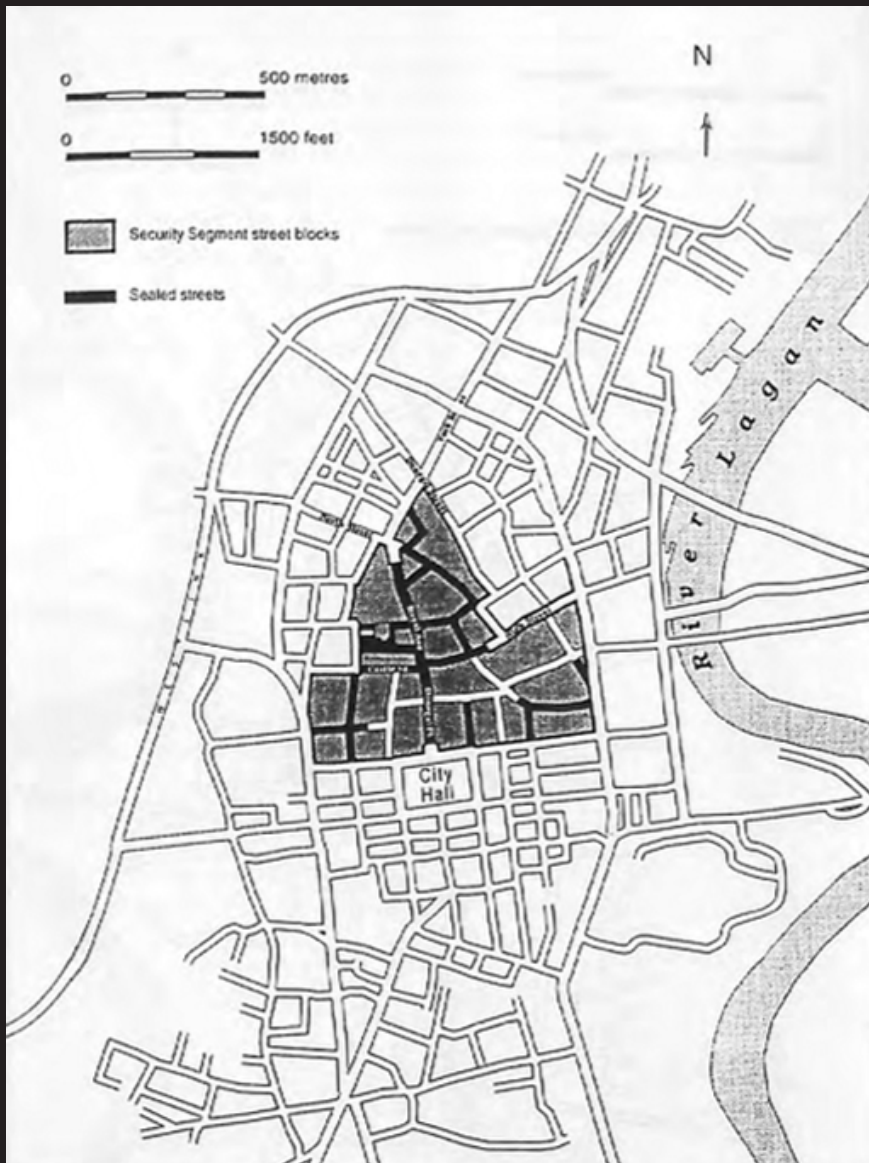
basic principles



sources: city of vancouver
& design against crime nw

security design

urban terrorism prevention / protection



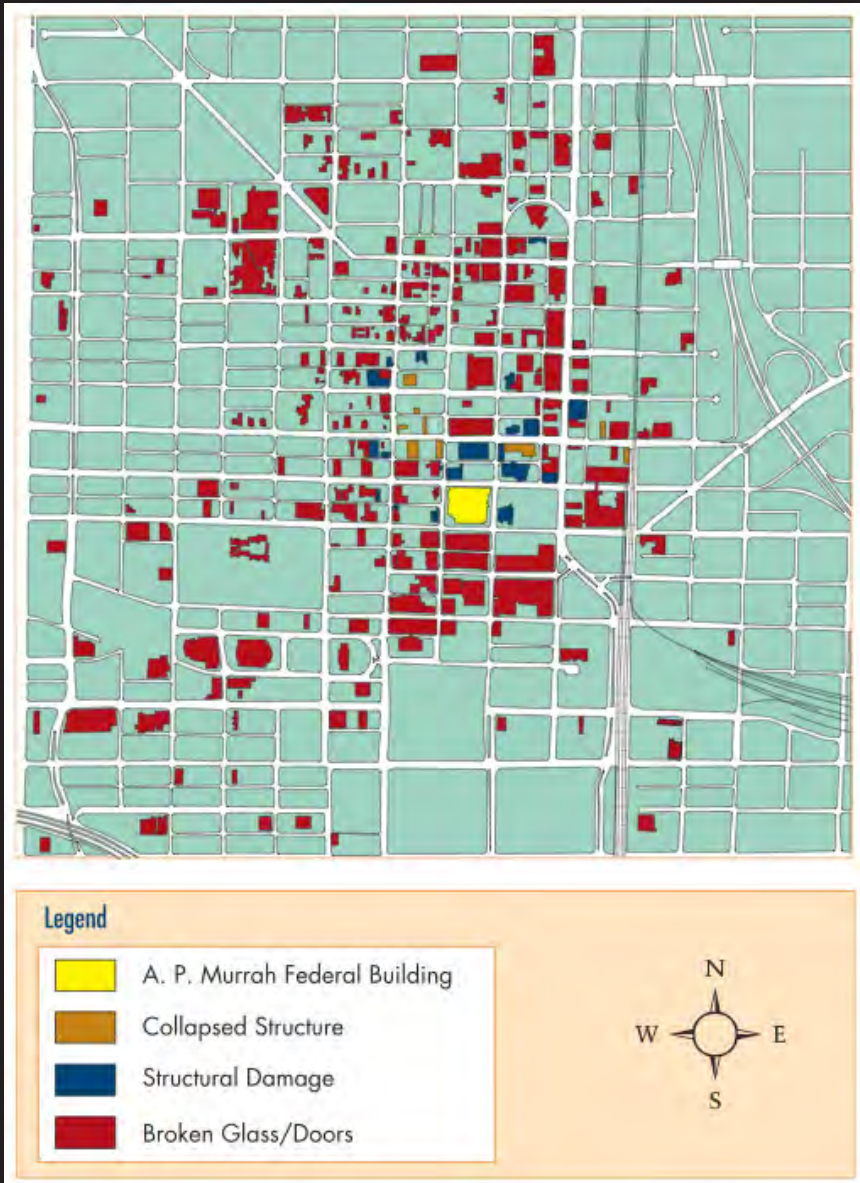
source: j. coaffee

“ring of steel”
belfast city center

security design

"The events of September 11 have traumatized as none other but don't doubt that this has been in our system from at least the time of the assassination of President Kennedy."

"post-modern terrorism"



oklahoma city, ok
1995

u.s. embassy in beruit
lebanon, 1983
source: fema

security design



dc public space

the most public of urban public spaces?



l'enfant's plan for
the city, 1791

source: library of congress

dc public space

the most public urban public spaces



washington monument
grounds

pennsylvania ave.



folk life festival
national mall

capitol grounds

dc public space

**dc public spaces of significant symbolic
significance, public ownership, and heightened
risk level; both new construction and retrofits**



source: joseph passonneau & partners

dc public space

"...but there is a point here and Jefferson made it when he said design activity and political thought are inseparable."



white house



jefferson memorial



capitol grounds



nmai



washington monument



air force memorial



lincoln memorial



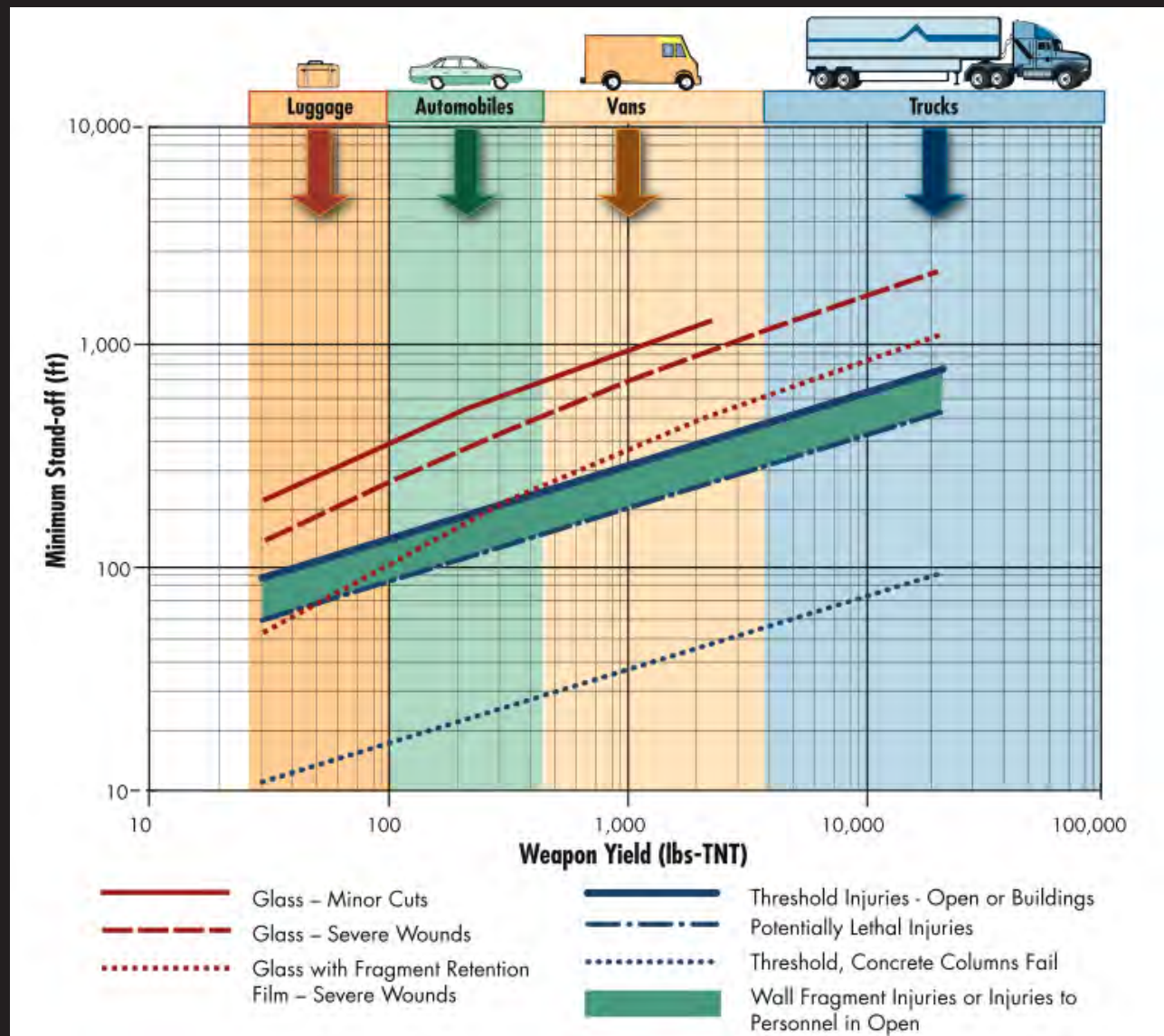
pennsylvania ave

dc public space



bollards, etc.

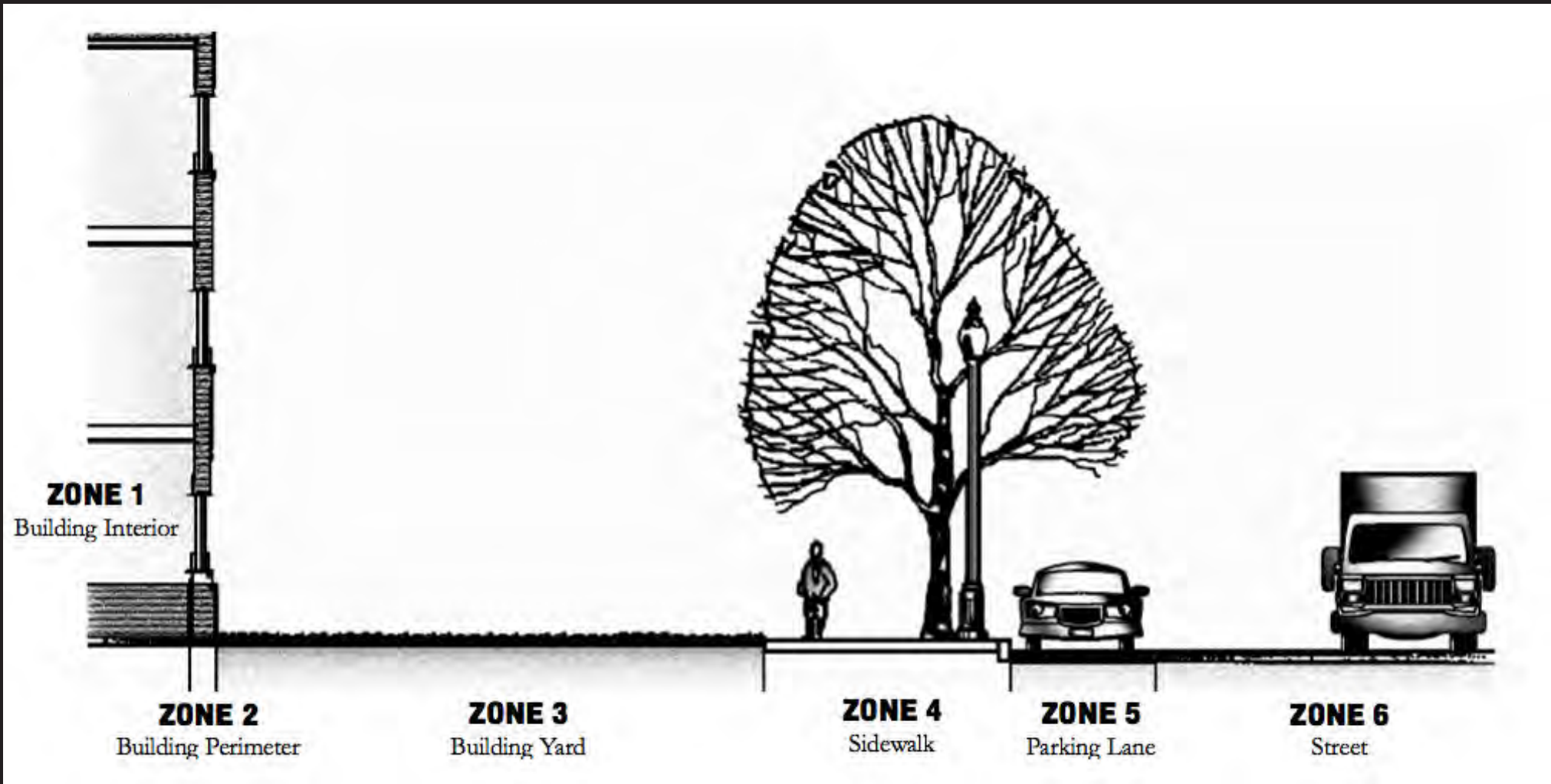
“explosive environments”



source: fema

bollards, etc.

building security zones



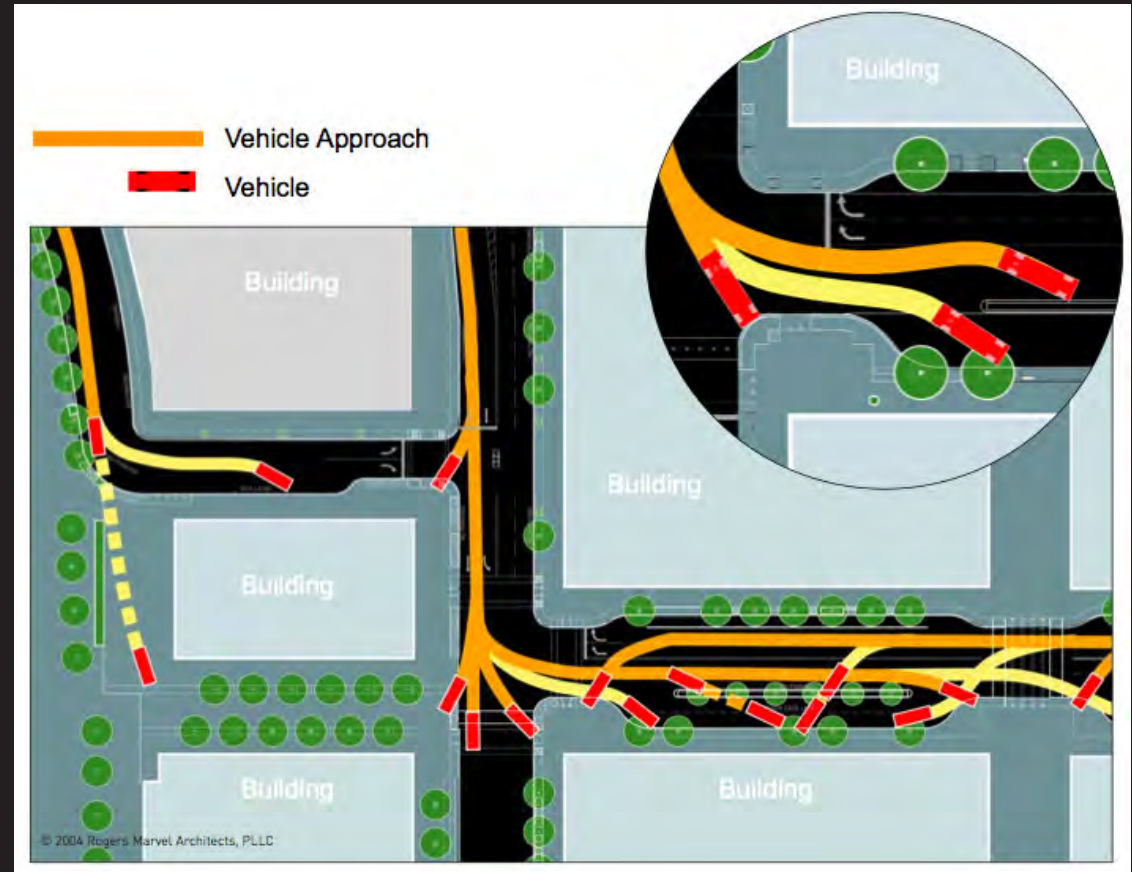
source: gsa / npc

bollards, etc.

landscape-based strategies : “stand off” distances



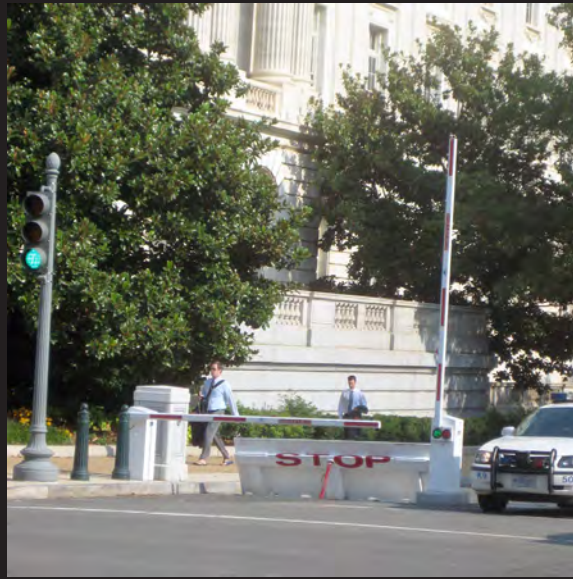
american history museum
design: edaw



source: ncp

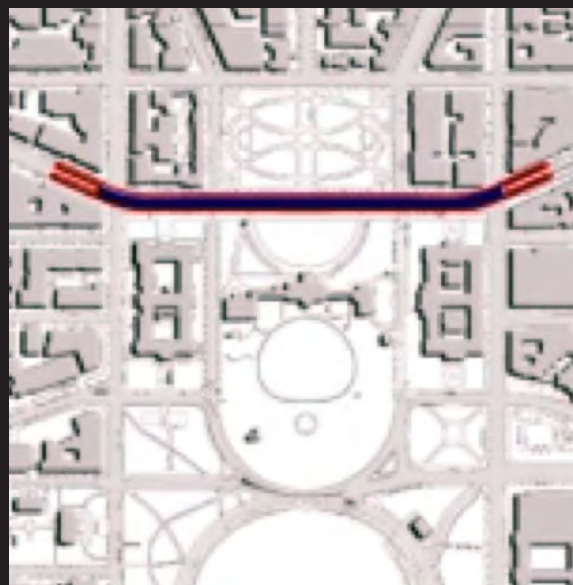
bollards, etc.

landscape-based strategies : access limitations



white house, e street

senate office buildings



pennsylvania ave
n. of the white house

tunnel proposal, 2001
pennsylvania ave

bollards, etc.

landscape-based strategies : guardbooths / checkpoints



air force memorial
arlington, va
design: pei cobb freed & partners / olin



independence ave
@ canal st

bollards, etc.

landscape-based strategies :

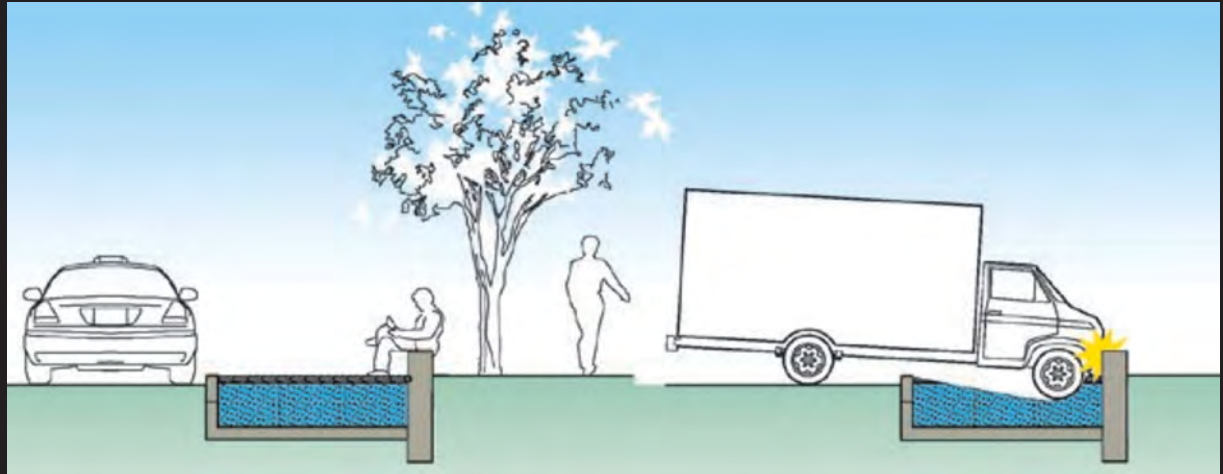


cctv / surveillance

air force memorial
arlington, va

invisible defense
“tiger traps”

source: rogers marvel architects /
ncpc



bollards, etc.

landscape-based strategies : barriers



jersey barriers



hardened fences
& walls



retaining walls



“bunker pots”



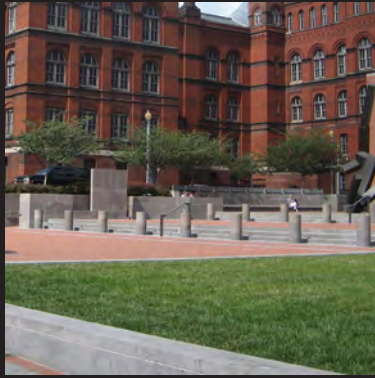
hardened street
furnishings



stones, trees, etc.

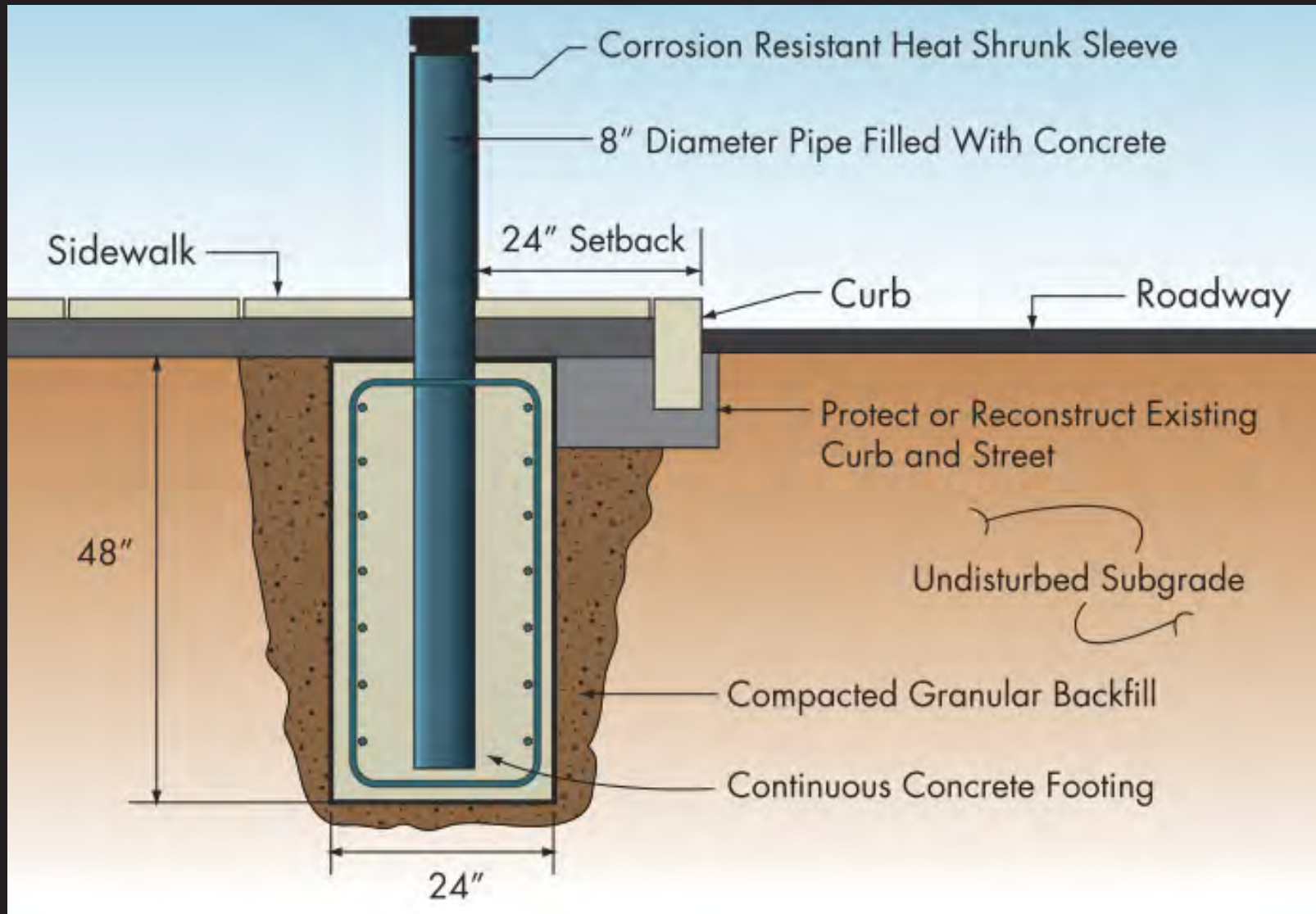
bollards, etc.

landscape-based strategies : barriers



bollards, etc.

anchoring systems



source: department of defense / fema

bollards, etc.

landscape-based strategies : general issues...

The Washington Post TODAY'S NEWSPAPER
Subscribe | PostPoints

ING DIRECT Save your money®
Member FDIC

• No Fees. • No Minimum
• No Changing Banks.

NEWS POLITICS OPINIONS BUSINESS LOCAL SPORTS ARTS & LIVING GOING OUT GUIDE

SEARCH: go washingtonpost.com Web : Results by Google

washingtonpost.com > Arts & Living > Museums and Galleries

The Built-In Response to Terrifying Moments

By Philip Kennicott
Washington Post Staff Writer
Sunday, June 21, 2009

The impulse to do *something* is almost unbearable after an incident such as the [June 10 shooting](#) at the U.S. Holocaust Memorial Museum. The command structure of bureaucracy, so integral to every thought and action in Washington, requires at least the appearance of tangible change in the way we do business. But when it comes to architecture, the best response may be nothing at all.

The history of security and public architecture is generally one of catastrophic failure followed by architectural excess. Huge changes to how buildings are situated, how their entrances are structured, how much glass they show to the world, have

PHOTOS



Thwarted terrorism at the Holocaust Museum may mean fewer design changes than were implemented at the Capitol after the 1998 shooting and at U.S. embassies in the wake of the 1983 Beirut bombing. (By Max Reid - U.S. Holocaust Memorial Museum)

TOOLBOX
Resize Print E-mail

21 june 2009

source: washington post

The Washington Post TODAY'S NEWSPAPER
Subscribe | PostPoints

ING DIRECT Save your money
Member FDIC

High Interest.
No Fees. No Minimum

NEWS POLITICS OPINIONS BUSINESS LOCAL SPORTS ARTS & LIVING GOING OUT GUIDE

SEARCH: go washingtonpost.com Web : Results by Google

washingtonpost.com > Columns

David Ignatius
Op-Ed Columnist

Archive | Biography | RSS Feed | Opinions Home | Post Global

No Unguarded Moment

It's Time to Scale Back the Security Mania

By David Ignatius
Thursday, July 30, 2009

It was an unsettling image: Arrayed in front of the neighborhood barbershop last week were four burly men with the characteristic earpieces and bulky suits that marked them as security officers. Inside, gracing the barber's chair, was the well-trimmed director of the Federal Bureau of Investigation, [Robert Mueller](#).

Perhaps in today's Washington, the FBI director truly needs a security detail to protect him when he gets a haircut. But I wonder. From my vantage, the blatant obviousness of his bodyguards only called attention to him. At the grocery store across the street, he was the talk of the checkout line. "Who's over at the barbershop?" "The FBI guy, what's-his-name." "No way!" People were coming out just to look.



At Denver's International Airport, JoAnna Sandland, 3, is wanded during a 2003 pilot screening program for children. (By John Leyba - Associated Press)

30 july 2009

source: washington post

"too many cooks..."

knee jerk reactions

security precedence

opaque process

lack of public input

"security creep"

bollards, etc.

a pivotal period for the city?

The National Capital Urban Design and Security Plan



NCPC NATIONAL CAPITAL PLANNING COMMISSION

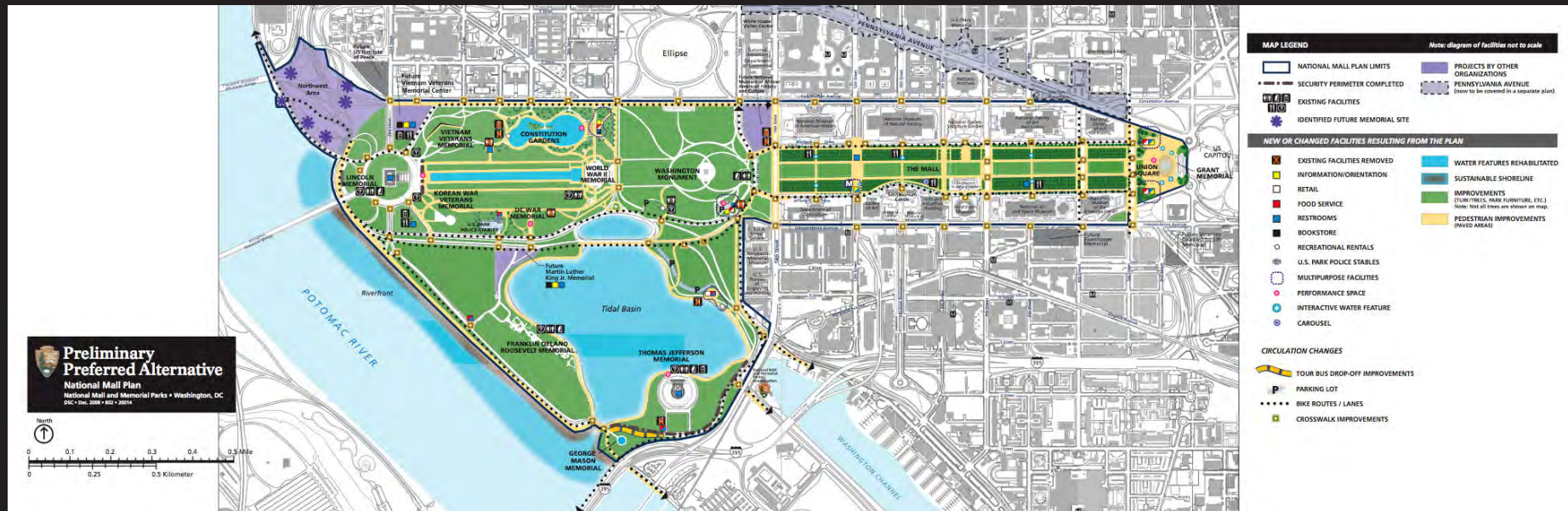
OCTOBER 2002
November 2004 Addition

EXTENDING THE LEGACY



PLANNING AMERICA'S CAPITAL FOR THE 21ST CENTURY

NATIONAL CAPITAL PLANNING COMMISSION



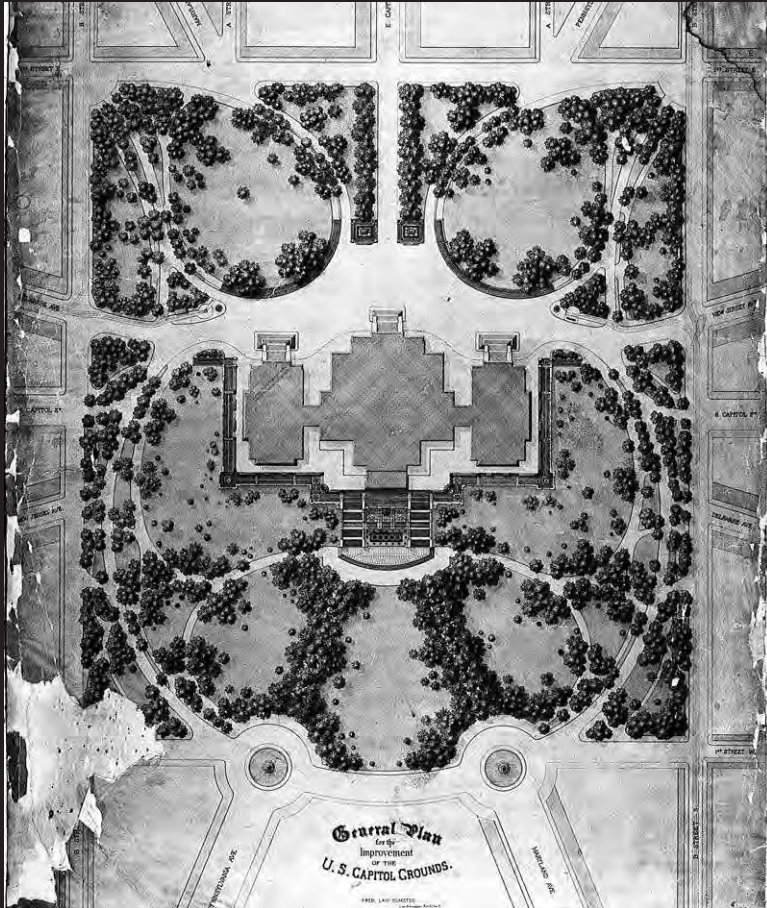
bollards, etc.



history / symbolism

implications

alterations to historically significant design



**frederick law olmsted plan for
the capitol park, 1874**
source: library of congress



u.s. capitol visitor center construction, 2007
source: architect of the capitol
design: rtkl / sasaki assoc.

implications **history / symbolism**

*"The building was meant to be open to the public.
That's why we built it."*

alterations to historic uses



u.s. capitol building
source: theodar horydczak /
library of congress



northeast corner, 2009
design after: edaw

implications **history / symbolism**

alterations to historic uses



pennsylvania avenue, north of the white house
redesign rendering, 2002

source: michael van valkenburgh assoc. / michael mccann

implications **history / symbolism**

damage to historic landscapes



bollard installation

source: ncp



independence ave

@ canal st

implications **history / symbolism**



program / access implications

"The only way you could lose the democracy would be to start impairing the functioning of the buildings it represents and the society it represents."

changes to public access



e street, 1935

source: theodar horydczak, library of congress



e street, today

implications program/ access

"...he said...we will hand the terrorists a precarious victory by abandoning our values under the stress of battle. We could, but dare not."

significance for 1st amendment rights



pennsylvania ave



lincoln memorial plaza



supreme court

implications **program/ access**

wayfinding / legibility



national gallery of art

access for people with disabilities



east of jefferson memorial

implications program/ access



character / aesthetics
implications

diminished beauty



along the tidal basin

implications character / aesthetics

diminished beauty



e street, south of the white house



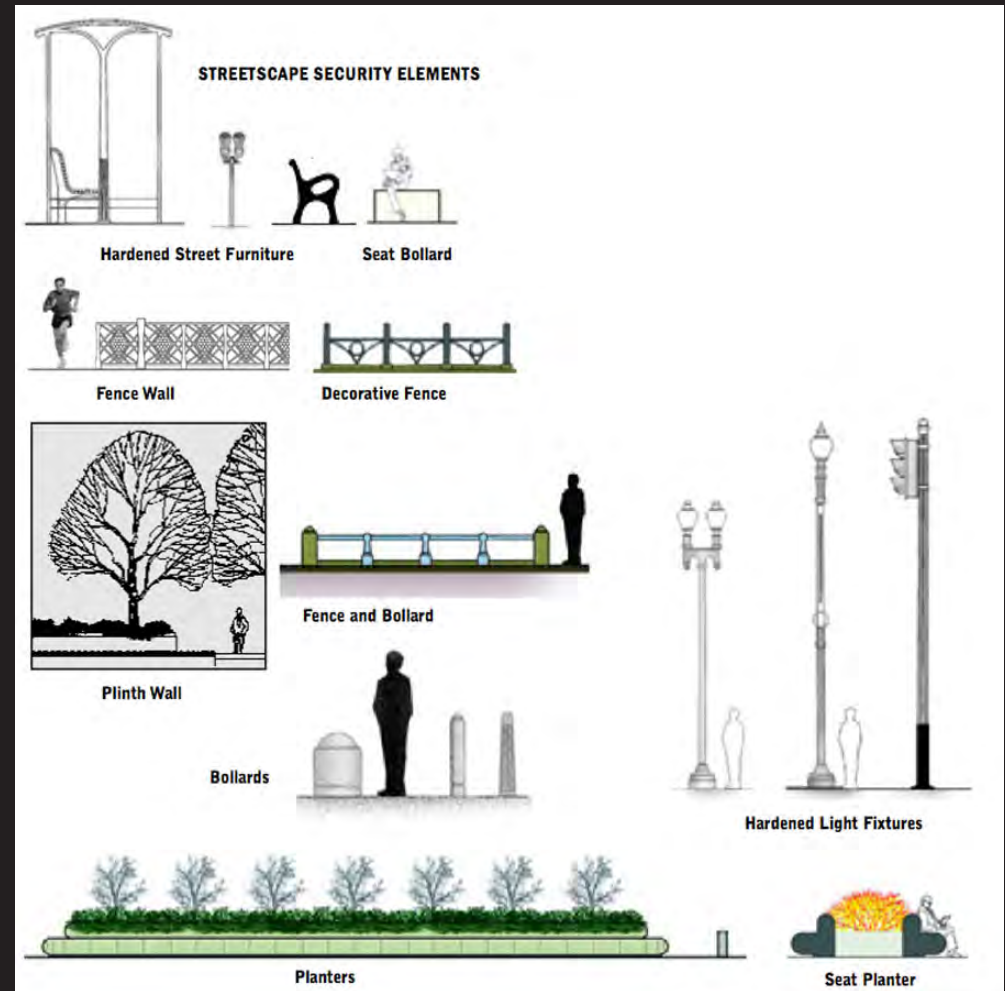
pennsylvania ave, john marshall park

implications **character / aesthetics**

cluttered streets



pennsylvania ave, b/w 6th and 7th st



hardened street furniture

source: ncpc

implications character / aesthetics

"Precaution, yes, sequester no."

altered urban character



federal reserve



u.s. capitol visitor center

implications **character / aesthetics**

altered urban character



museum of natural history

source: google
design: edaw

implications character / aesthetics

altered urban character



mural, lincoln memorial visitor center



lincoln memorial

implications **character / aesthetics**

permanent solutions to temporary problems?



security redesign proposal
michael van valkenburgh associates

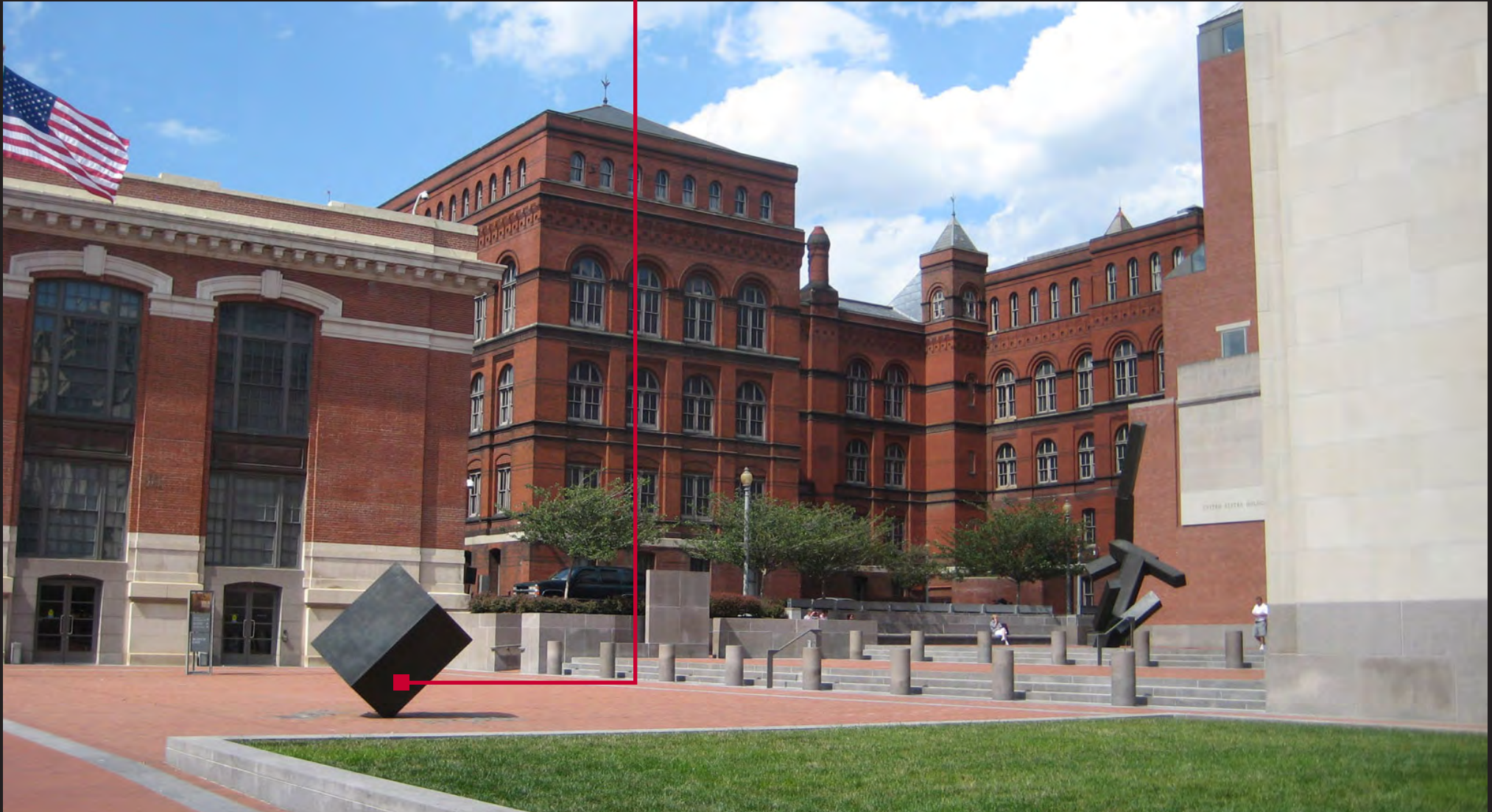
source: fema

implications character / aesthetics



opportunities

gray areas / balance



u.s. holocaust memorial museum (west side)

opportunities

conscious choices

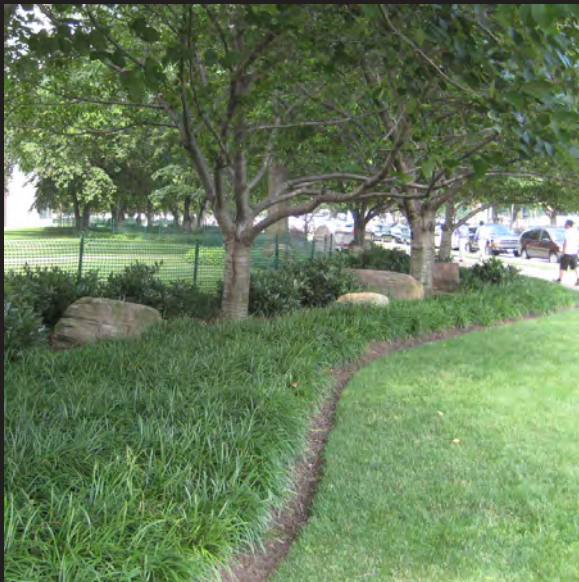


blending with context

pershing park

attempt to minimize visual impact

pennsylvania ave



well chosen barrier elements

national gallery of art

dual purpose designs

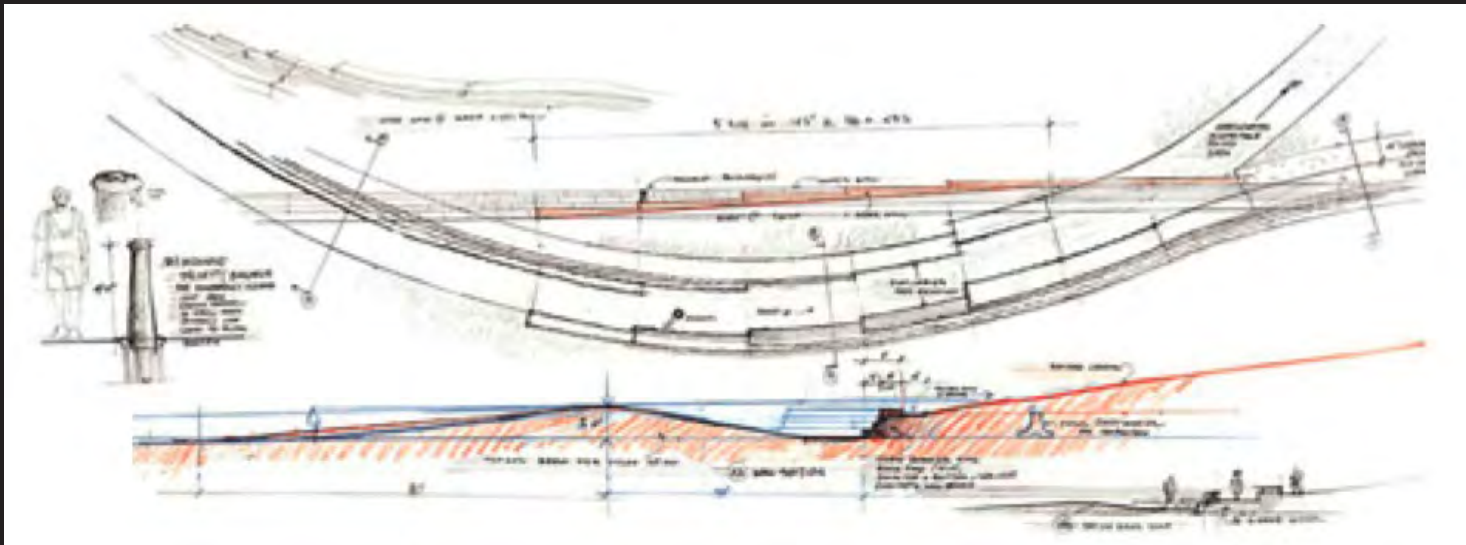
national museum of the american indian

opportunities

creative design solutions



minneapolis courthouse
source: martha schwartz /
fema



ha-ha sketches
washington monument
source: olin / ncpo

opportunities

silver lining?



**pedestrian plaza?
pennsylvania ave redesign**

source: mvva



**landscape restoration?
washington monument grounds**

source: olin

opportunities

"I went on to suggest that it was time for a national conversation. There has been none."

questioning the process



"...architecture is inescapably a public art and it reports faithfully for ages to come what the political values of a particular age were. Surely ours must be openness and fearlessness in the face of those who hide in the darkness."

opportunities

quotes throughout from Senator Daniel Patrick Moynihan, speaking at the National Building Museum forum, "Freedom Without Fortresses: shaping the new secure environment," November 27, 2001



Brian Cornell
Landscape Architect
RTKL

Joni Gallegos
Landscape Architect, President's Park
National Park Service

Marsha Lea
Principal
EDAW

Gary Hildebrand
ASLA consulting committee
on the National Mall Redevelopment Plan

Gullivar Shepard
Senior Associate
Michael Van Valkenburgh Associates

and

John Beardsley / Gail Griffin
Dumbarton Oaks



special thanks